

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

IN THE CLAIMS:

The following are currently pending claims and proposed amendments to claims 21-50. Claims 21, 31, and 41 have been amended. (All claims listed).
1-20. (Canceled).

1 21. (Currently Amended) A method for maintaining a whois database, comprising:
2 extracting a plurality of unique identifiers from an audit file, each unique identifier
3 corresponding to a modified or deleted domain name record within a registrar database; and
4 for each unique identifier:
5 determining whether a first ~~corresponding~~ domain name record that corresponds
6 to the unique identifier exists within the registrar database,
7 if the first ~~corresponding~~ domain name record exists, retrieving the first
8 ~~corresponding~~ domain name record from the registrar database,
9 determining whether a second ~~corresponding~~ domain name record that
10 corresponds to the unique identifier exists within the whois database,
11 if the second ~~corresponding~~ domain name record exists, retrieving the second
12 ~~corresponding~~ domain name record from the whois database,
13 comparing the first ~~corresponding~~ domain name record to the second
14 ~~corresponding~~ domain name record, and
15 updating the second ~~corresponding~~ domain name record, within the whois
16 database, based on the first ~~corresponding~~ domain name record.

1 22. (Currently Amended) The method of claim 21, further comprising:
2 if the first ~~corresponding~~ domain name record does not exist, deleting the second
3 domain name record from the whois database.

1 23. (Currently Amended) The method of claim 21, further comprising:
2 if the second ~~corresponding~~ domain name record does not exist, adding the first
3 domain name record to the whois database.

1 24. (Previously Presented) The method of claim 21, further comprising:
2 discarding duplicate unique identifiers from the plurality of unique identifiers.

1 25. (Currently Amended) The method of claim 21, wherein the modified or deleted domain
2 name record consists of an added domain name record, a deleted domain name record and a
3 changed domain name record.

1 26. (Previously Presented) The method of claim 25, wherein the audit file includes an indicator
2 associated with each unique identifier, the indicator consisting of an added indicator, a deleted
3 indicator and changed indicator.

1 27. (Previously Presented) The method of claim 21, wherein the audit file includes modified
2 domain name information associated with each unique identifier.

1 28. (Previously Presented) The method of claim 21, wherein the plurality of unique identifiers is
2 associated with a time period.

1 29. (Previously Presented) The method of claim 21, further comprising:
2 tagging the audit file to identify previously extracted unique identifiers.

1 30. (Previously Presented) The method of claim 21, wherein the whois database is a copy of the
2 registrar database.

1 31. (Currently Amended) A computer-readable medium including instructions adapted to be
2 executed by a processor to perform a method for maintaining a whois database, the method
3 comprising:

4 extracting a plurality of unique identifiers from an audit file, each unique identifier
5 corresponding to a modified or deleted domain name record within a registrar database; and
6 for each unique identifier:

7 determining whether a first ~~corresponding~~ domain name record that corresponds
8 to the unique identifier exists within the registrar database,

9 if the first ~~corresponding~~ domain name record exists, retrieving the first
10 ~~corresponding~~ domain name record from the registrar database,

11 determining whether a second ~~corresponding~~ domain name record that
12 corresponds to the unique identifier exists within the whois database,

13 if the second ~~corresponding~~ domain name record exists, retrieving the second
14 ~~corresponding~~ domain name record from the whois database,

15 comparing the first ~~corresponding~~ domain name record to the second
16 ~~corresponding~~ domain name record, and
17 updating the second ~~corresponding~~ domain name record, within the whois
18 database, based on the first ~~corresponding~~ domain name record.

1 32. (Currently Amended) The computer-readable medium of claim 31, wherein the method
2 further comprises:

3 if the first ~~corresponding~~ domain name record does not exist, deleting the second domain
4 name record from the whois database.

1 33. (Currently Amended) The computer-readable medium of claim 31, wherein the method
2 further comprises:

3 if the second ~~corresponding~~ domain name record does not exist, adding the first domain
4 name record to the whois database.

1 34. (Previously Presented) The computer-readable medium of claim 31, wherein the method
2 further comprises:

3 discarding duplicate unique identifiers from the plurality of unique identifiers.

1 35. (Currently Amended) The computer-readable medium of claim 31, wherein the modified or
2 deleted domain name record consists of an added domain name record, a deleted domain name
3 record and a changed domain name record.

1 36. (Previously Presented) The computer-readable medium of claim 35, wherein the audit file
2 includes an indicator associated with each unique identifier, the indicator consisting of an added
3 indicator, a deleted indicator and changed indicator.

1 37. (Previously Presented) The computer-readable medium of claim 31, wherein the audit file
2 includes modified domain name information associated with each unique identifier.

1 38. (Previously Presented) The computer-readable medium of claim 31, wherein the plurality of
2 unique identifiers is associated with a time period.

1 39. (Previously Presented) The computer-readable medium of claim 31, wherein the method
2 further comprises:
3 tagging the audit file to identify previously extracted unique identifiers.

1 40. (Previously Presented) The computer-readable medium of claim 31, wherein the whois
2 database is a copy of the registrar database.

1 41. (Currently Amended) A system, comprising:
2 a network;
3 a registrar computer, coupled to the network, including a registrar database having a
4 plurality of domain name records and an audit file having a plurality of unique identifiers, each
5 unique identifier corresponding to a modified or deleted domain name record within the registrar
6 database; and

7 a whois computer, coupled to the network, including a processor and a memory coupled
8 to the processor, the memory including a whois database having a plurality of domain name
9 records and instructions adapted to be executed by the processor to perform a method, the
10 method comprising:

11 extracting the plurality of unique identifiers from the audit file; and

12 for each unique identifier:

13 determining whether a first ~~corresponding~~ domain name record that corresponds
14 to the unique identifier exists within the registrar database,

15 if the first ~~corresponding~~ domain name record exists, retrieving the first
16 ~~corresponding~~ domain name record from the registrar database,

17 determining whether a second ~~corresponding~~ domain name record that
18 corresponds to the unique identifier exists within the whois database,

19 if the second ~~corresponding~~ domain name record exists, retrieving the second
20 ~~corresponding~~ domain name record from the whois database,

21 comparing the first ~~corresponding~~ domain name record to the second
22 ~~corresponding~~ domain name record, and

23 updating the second ~~corresponding~~ domain name record, within the whois
24 database, based on the first ~~corresponding~~ domain name record.

1 42. (Currently Amended) The system of claim 41, wherein the method further comprises:

2 if the first ~~corresponding~~ domain name record does not exist, deleting the second domain
3 name record from the whois database.

1 43. (Currently Amended) The system of claim 41, wherein the method further comprises:
2 if the second ~~corresponding~~ domain name record does not exist, adding the first domain
3 name record to the whois database.

1 44. (Previously Presented) The system of claim 41, wherein the method further comprises:
2 discarding duplicate unique identifiers from the plurality of unique identifiers.

1 45. (Currently Amended) The system of claim 41, wherein the modified or deleted domain name
2 record consists of an added domain name record, a deleted domain name record and a changed
3 domain name record.

1 46. (Previously Presented) The system of claim 45, wherein the audit file includes an indicator
2 associated with each unique identifier, the indicator consisting of an added indicator, a deleted
3 indicator and changed indicator.

1 47. (Previously Presented) The system of claim 41, wherein the method further comprises,
2 wherein the audit file includes modified domain name information associated with each unique
3 identifier.

1 48. (Previously Presented) The system of claim 41, wherein the method further comprises,
2 wherein the plurality of unique identifiers is associated with a time period.

1 49. (Previously Presented) The system of claim 41, wherein the method further comprises:
2 tagging the audit file to identify previously extracted unique identifiers.

1 50. (Previously Presented) The system of claim 41, wherein the whois database is a copy of the
2 registrar database.